

40200994



SUPERFUND RECORDS

Site:	Chem Comm - Shawnee
ID #:	KSD980632962
Break:	1.2
Other:	EEE
	12-20-88

TO: John Bosky

THRU: Paul E. Doherty, EPA, TAT/DPO

FROM: Ted Hartsig and Mark Zipf, E & E/TATM

THRU: Joseph Chandler, E & E/Acting TATL

DATE: December 20, 1988

SUBJECT: Preliminary Trip Report on Inventory at Shawnee Warehouse
a.k.a., Chemical Commodities

BACKGROUND

The Ecology and Environment, Inc. (E & E), Technical Assistance Team was directed by the U.S. Environmental Protection Agency (EPA) to conduct a detailed inventory of warehouses used by the firm Chemical Commodities (CC) of Olathe, Ks. The investigation follows an incident on December 6, 1988 when a CC truck loaded with ammonium perchlorate was involved in a fire and safety incident in residential Kansas City, Ks. In order to determine if similar dangerous situations exist at other facilities used by CC, inventories were slated for several warehouses. Chemical Commodities uses a warehouse in Shawnee, Ks. to store various chemicals. This warehouse has been designated as the Shawnee Warehouse and is located at 55th and Woodland in Shawnee, Ks. EPA ordered an in-depth inventory of this warehouse beginning December 12, 1988 and ending December 14, 1988.

SITE ACTIVITY

On December 12, 1988, at 1300 hours, E & E/TAT members Mark Zipf and Ted Hartsig met with John Bosky at the EPA laboratory facility. After being brief on the scope of the work, the E & E team left for the Shawnee Warehouse, arriving at 1420 hours. Hartsig and Zipf were met by Shawnee Fire Department personnel, Jim Farthing (Fire Chief) and Jeff Hudson (Fire Marshall). Mr. Hudson stayed with the E & E team throughout the inventory for that day. The E & E Team began their efforts with the upstairs loft. The E & E team completed the upstairs loft at approximately 1630 hours and left the site at that time.

On December 13, 1988, Mr. Hartsig and Mr. Zipf arrived at the Shawnee site at 0920. The team began to inventory the south shelves and the north shelves. The team broke for lunch at 1150 hours. At this time, the team decided a ladder would be necessary for the upper shelves. They went to the E & E garage and requisitioned a free standing ladder. On returning from lunch, Hartsig continued with the

Shawnee Warehouse Inventory
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inventory of the south shelves while Zipf finished the north shelves and central shelf area. Hartsig finished the south shelves, the west-end of warehouse and began with the upper shelves. Hartsig and Zipf left the site at approximately 1640 hours.

On December 14, 1988, Mr. Hartsig and Mr. Zipf returned to the Shawnee Warehouse at 0930 hours. Inventory of the central aisle and the northeast corner completed the inventory of the warehouse. Photo documentation was also completed at this time. A total of eight rolls of film were taken over this three-day period.

On December 15 and 16, Mr. Zipf reviewed and categorized information obtained from the inventory. Pictures were reviewed and labeled. A printout of the type of chemical and quantity was typed up. The printout segregated items to specific areas, i.e., north shelf area, south shelf area, west-end, upstairs loft, central shelf area, and central aisle area.

The following is a brief summary of the work performed by E & E/TAT at the Shawnee Warehouse between December 12, 1988 and December 22, 1988:

- a) Inventory over 500 drums, boxes, bags, cans, and other containers.
- b) List chemicals and approximate quantity by area; approximately 150 different chemicals listed.
- c) Photographed contents of warehouse; 8 rolls of film were shot, a total of 156 pictures. A photo-log is not included with this preliminary report but will be forthcoming.

Attachments:

- a) list of chemicals by area

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SUMMARY SHAWNEE WAREHOUSE
NORTH SHELF AREA

1500 # Versaflex WH07-SM0162-3-134 (see Central Shelf Summary pg. 5)
(7-22, 7-23)

8500 # Unknown material WH06-SM0232-1-134 (7-22; 7-23, 8-1)

1000 # Torula Dried Yeast (8-5)

~1500 # Glycerol Monostearate (7-24) (Top Shelf)

1700 # Vinegar apple cider (8-3)

300 # "Microthene" - finely divided polyethylene (8-11)

~500 # Sodium Lauryl Sulfate (Stephanol ME dry) (8-10)

400 # Waterless hand cleaner (8-15)

500 # Polymer emulsion - WG10-SM0232-1-504 (8-15)

500 # Sodium Carboxy Methyl Cellulose (Hercules Cellulose Gum)
(8-18; 8-21)

300 # Unknown material F-L-70-50 (top shelf) (8-18; 8-21)

600 # "MagCarb L" - from Marine Magnesium Products (8-17)

~500 # Autotransfuser ATS-100 (8-21)

50 # Tenox - antioxidant (8-20)

100 # Santophen 1 - Germicide (Santophen 20 = pentachlorophenol) (8-20)

100 # Veegum* F (8-20)

1500 # STRONTIUM PERCHLORATE ??? Also labeled Cleaning Compound 47% T.S.P.
(8-16)

2000 # Unknown material (next to above) (8-19)

1000 # Unknown material - in bags (8-6; 8-9)

800 # Unknown material - in bags (8-6; 8-9)

100 # Unknown material

1000 # Unknown material (8-16; 8-19)

500 # Unknown material (8-15)

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SUMMARY SHAWNEE WAREHOUSE

75 #	Thiotax (2-mercapto-benzo-thiazole)
500 #	Povidone - Iodine
25 #	Calcium Phosphate Tribasic Powder 1 1/2 gallons "Glyptal" (1201 Red Enamel)
100 #	Sorbitol (8-22)
100 #	Rhatany Root (8-22)
1500 #	Unknown material
75 #	Sulfasoxizole NF
100 #	Sodium Chlorite (8-23)

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SUMMARY SHAWNEE WAREHOUSE

CENTRAL SHELVING

Top Shelf Only

750 #	"Filtrol" - fine silica w/ small amt. of aluminum silicate (7-21)
600 #	Plasticized hydrocarbon gel absorbent (7-12)
300 #	"Natrosol" Hydroxyethyl Cellulose (7-12)
1750 #	Torula yeast (7-12)
2000-3000 #	Calcium Carbonate (6-19; 6-22; 6-24; 6-25)
1500 #	Hydrous Lactate (6-19)
180 #	Phenolic Melamine Epoxy Polyester (6-14)
50 #	Ferric Subsulfate
200 #	Soda Lime (8-14 mesh)
375 #	Potassium Bitartate (6-9)
200 #	Anthracene (6-3)
~1000 #	Unknown material in bags
50 #	Stearic Acid Flakes
200 #	Unknown material
1200 #	Unknown material (7-14)
50 #	Heliozone
300 #	Unknown material
400 #	Unknown material

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SUMMARY SHAWNEE WAREHOUSE

CENTRAL SHELVING
Bottom & Middle Shelves

50 # Ammonium Sulfate
500 # P-Nitrophenol, Technical
25 # Powdered Gambose Gum Resin
2000 # Acrawax - C atomized (N,N' - ethylene bis stearamide) (6-7)
65 # Ammonium Hydroxide (6-2)
25 # Sulfanilamide
60 # Albumin, Egg technical
25 # "NU-TAB" (Direct Compression Binder)
25 # Aluminum Monostearate
100 # P-Methylaminophenol Sulfate (6-8; 6-21)
60 # Polyethylene Glycol Compound-flaked (6-11)
25 # Dexpanthenol FCC (6-13)
300 # Satailgine H (Alginic Acid) (6-11; 6-13)
100 # Cupric Acetate (6-13)
250 # Soda Lime Reagent (8-16 mesh) (6-13; 6-16)
500 # Albumen Tannate (6-16)
200 # Pasteurized Sweet Whey (6-10)
50 # METHOCEL HG POWDER (Methyl Cellulose) (6-10)
200 # Calcium Phosphate Dibasic (6-10)
500 # Calcium Stearate
150 # Cellulose Acetate Phthlate (6-12)
50 # Bovimix AD₃E Dispersible (6-15)
50 gallons Detergent - Bacteriostat (6-15)

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SUMMARY SHAWNEE WAREHOUSE

CENTRAL SHELVING
Bottom & Middle (Cont.)

600 # HTS

400 # Magnesium Carbonate (6-21)

50 # Nutritional Manganese Compound "Nu Manese" (6-21)

50 # Mycozyme (6-21)

25 # Manganese Gluconate (6-24)

500 # Mineral Bone Meal (6-17; 6-20)

500 # Multiplex MM

25 # Methyl Methacrylate (flammable, flash pt. 50°F) (6-20)

1000 # "ALBAGLOS" - precipitated Calcium Carbonate (6-20)

50 # Bakelite, phenolic (7-14)

750 # Unknown material (same as last 400 # on pg. 3) (7-14; 7-15)

400 # Dairyland Products, Inc.

500 gr (1 qt. amber jar) Mercapto-benzo-thiagole (see pg. 2) (7-13)

1500 # Versaflex-I WH07-SM0162-3-134 (see pg. 1) (7-13)

55 gallons Lactic Acid, technical grade 88% (7-16; 7-19)

5 gallons Pyla-Cert F D & C Red #4 (7-16; 7-19)

25 # Powdered Areca Nut

25 # Aluminum Phosphate

400 # Ammonium Sulfate

300 # Unknown material

250 # Unknown material

250 # Unknown material

3 drums - Unknown material

55 gallon drum - Unknown material

400 # Unknown material

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SUMMARY SHAWNEE WAREHOUSE
Southeast Corner

55 gallon M15 M Polymer (4-1)

55 gallon Gum guar. (4-2; 4-3)

150 # Sodium Chlorite

5000-7500 # Calcium Carrageenan (Sec. pg. 7)

100 # Nitro-Carbo-Nitrate

12 gallons Cleaner-degreaser

400 # Cupric Acetate

100 # Corrosive sublimate & Ammonium Chloride

100 gallons Volatile Isocyanates (flammable liquid)

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SUMMARY SHAWNEE WAREHOUSE
South Shelves

1000 # Ferrous Lactate
1500 # Copper Flouborate (picture 4-7)
150 gallons Copper Flouborate (picture 4-10)
2000 # Ferric Subsulfate (4-9) & (5-19)
400 # Ammonium Chloride (also labeled Arnasilic Acid) 5-1 & 5-4
250 # Barium Sulfide 5-1 & 5-4
3500 # Calcium Carrgeenan (5-7 & 5-8) (See pg. 6)
2500 # Polyethylene Glycol (5-10)
500 # Calcium Carbonate (5-13 & 5-16)
500 # Gentian (5-16)
400 # Celatom (5-4/5-1)
400 # Teomangan
1500 # Ferric Oxide (5-11 & 5-2)
300 # Bentonite (5-2/5-5)
500 # Calamine (5-2/5-5)
25 # Demenhydrinate (5-14)
25 # Yellow dye No. 6 (5-14)
300 # Watercress Powder (5-14)
300 # Vanilla Flavor (5-14)
25 # Copper Oxide (5-14)
25 # Cuprous Oxide (5-14)

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SUMMARY SHAWNEE WAREHOUSE
South Shelves

100 # Dilauryl Thiodipropionate (5-17)

25 # Bentone (5-17)

11 gallons Ferric Chloride (5-20)

20 # Myraistic (?) Acid (5-20)

25 # Pilulfera Herb (5-20)

1000 # Magnesium Chelated 20% (5-22)

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SUMMARY SHAWNEE WAREHOUSE
Central Aisle

55 gallons Lactic Acid 88% Tech.

55 gallon Benzol

300 # Raw Sienna

300 # Ammonium Oxalate Mono

60 # Aluminum Oxide

9 cases Atropine Sulfate - Ophthalmic ointment (packaged for consumer)

5 gal. Myvacet 9-40 (Distilled Acetylated Monoglycerides)

10 # Experimental MT #8229 (Phenyl Propanolamine)

10 # Dioctyl Sodium Sulfosuccinate

25 # Potassium Bicarbonate

75 # Potassium Nitrate

15 gallon Pyridine

10 # Dicalcium Phosphate N.F. Anhydrous

25 # Cerium Oxalate

25 # Potassium Arsenite

25 # Potassium Bitartate

1 gallon Di iso propanolamine

1 gallon Dow Corning 200 Fluid

40 gallons EDT TAE (corrosive)

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SHAWNEE WAREHOUSE
Summary of Inventory
Upstairs loft - North

85 # Industrial grade Dextran
250 # Styropor - expandable polystyrene (2-2)
1/2 gallon 40% Dimethylamine (2-3)
10 # Trichloromonoflouromethan
500 # Dissociated lever powder
30 # Sodium Thiosulfate (2-6)
100 # DSA-4-081568-PC408
100 # Albral (aluminum bronze flux)
25 # Cupric Phenolsulfate
25 # Powdered Papain
50 gallon polyoxyethylene*
25 # 3,5 Diiodosalycic Acid
25 # Cobalt Naphtha (2-8)
450 # Ferrous Lactate (2-10)
100 # Hykinone Special Powder (2-10; 2-11; 2-12)
75 # Calcium Peroxide
150 # Cellulose Acetate
25 # Mercuric Choride
400 # Hydroxyethyl Cellulose
25 # Cupric Acetate
100 # Capsicum Powder

Unknowns:

small quantity cleaner/lubricant
small quantity "catalyst"
100 # cleaning (powder)?

*leaking

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SHAWNEE WAREHOUSE
Summary of Inventory
West-end of Warehouse

3600 # Ferric Subsulfate
2500 gallons Benzyl Bengoate
110 gallons Copper Chloride
400 gallons Betz 65
400 gallons Betz 55
55 gallons Piperazine
55 gallons Copper Naphthenate
1000 # ion exchange compounds (3-9)
1000 # carbon black (3-5)
700 # Graphite No. 6 (3-5)